RECORDS

of the

AMERICAN SOCIETY OF NATURALISTS

Volume V
Part Two

EXECUTIVE COMMITTEE, 1956

Officers

	Years to Serve
Dr. E. Newton Harvey, President *Dept. of Biology, Princeton University*	1956
Dr. Frank A. Brown, Jr., Vice-President *Dept. of Zoology, Northwestern University*	1956
Dr. Bruce Wallace, Secretary *Biological Laboratory, Cold Spring Harbor, N. Y.*	1956–1958
Dr. Carl P. Swanson, Treasurer *Dept. of Biology, Johns Hopkins University*	1954–1956

Additional Members of the Executive Committee

Dr. Kenneth V. Thimann *Biological Laboratories, Harvard University*	1956–1958
Dr. M. Demerec *Carnegie Inst. of Wash., Cold Spring Harbor, N. Y.*	1956–1957
Dr. Elmer G. Butler *Dept. of Biology, Princeton University*	1956
Dr. Warren P. Spencer *Dept. of Biology, College of Wooster*	1956

MEETINGS AND PRESIDENTS OF THE AMERICAN SOCIETY OF NATURALISTS

1.	1883.	April 10-11	Springfield	Alpheus Hyatt,	Chairman
2.	1883.	Dec. 27-28	New York	Alpheus Hyatt,	President
3.	1884.	Dec. 29-30	Washington	Alpheus Hyatt,	"
4.	1885.	Dec. 29-30	Boston	Grove K. Gilbert,	"
5.	1886.	Dec. 28-30	Philadelphia	Grove K. Gilbert,	"
6.	1887.	Dec. 27-29	New Haven	Harrison Allen,	"
7.	1888.	Dec. 27-28	Baltimore	Harrison Allen,	"
8.	1889.	Dec. 27-28	New York	George L. Goodale,	"
9.	1890.	Dec. 31	Boston	H. Newell Martin,	"
10.	1891.	Dec. 29-30	Philadelphia	William North Rice,	"
11.	1892.	Dec. 28-29	Princeton	Henry F. Osborn,	"
12.	1893.	Dec. 27-28	New Haven	R. H. Chittenden,	"
13.	1894.	Dec. 27-28	Baltimore	Charles S. Minot,	"
14.	1895.	Dec. 26-27	Philadelphia	Edward D. Cope,	"
15.	1896.	Dec. 29-30	Boston	William B. Scott,	"
16.	1897.	Dec. 28-29	Ithaca	Charles O. Whitman,	"
17.	1898.	Dec. 29	New York	Henry P. Bowditch,	"
18.	1899.	Dec. 28	New Haven	William G. Farlow,	"
19.	1900.	Dec. 27-28	Baltimore	Edmund B. Wilson,	"
20.	1901.	Dec. 31-Jan. 1	Chicago	William T. Sedgwick,	"
21.	1902.	Dec. 30-31	Washington	J. McKeen Cattell,	"
22.	1903.	Dec. 29-30	St. Louis	William Trelease,	"
23.	1904.	Dec. 27-28	Philadelphia	Edward L. Mark,	"
24.	1906.	Dec. 28	New York	Charles B. Davenport,	"
25.	1907.	Dec. 31	Chicago	James P. McMurrich,	"
26.	1908.	Dec. 31	Baltimore	David P. Penhallow,	"
27.	1909.	Dec. 29	Boston	Thomas H. Morgan,	"
28.	1910.	Dec. 29-30	Ithaca	Daniel T. MacDougal,	"
29.	1911.	Dec. 28	Princeton	Herbert S. Jennings,	"
30.	1913.	Jan. 2	Cleveland	Edwin G. Conklin,	"
31.	1913.	Dec. 31	Philadelphia	Ross G. Harrison,	"
32.	1914.	Dec. 31	Philadelphia	Samuel F. Clarke,	"
33.	1915.	Dec. 30	Columbus	Frank R. Lillie,	"
34.	1916.	Dec. 29-30	New York	Raymond Pearl,	"
35.	1918.	Jan. 1	Pittsburgh	George H. Shull,	"
36.	1918.	Dec. 28	Baltimore	William E. Castle,	"
37.	1919.	Dec. 30-31	Princeton	Edward M. East,	"
38.	1920.	Dec. 30-31	Chicago	Jacques Loeb,	"
39.	1921.	Dec. 29	Toronto	Bradley M. Davis,	"
40.	1922.	Dec. 29	Boston	Wm. H. Wheeler,	"
41.	1923.	Dec. 29	Cincinnati	R. A. Emerson,	"
42.	1925.	Jan. 1	Washington	Wm. H. Howell,	"
43.	1925.	Dec. 28-30	New Haven	C. Hart Merriam,	"
44.	1926.	Dec. 29	Philadelphia	J. Arthur Harris,	"
45.	1927.	Dec. 30	Nashville	C. E. McClung,	"
46.	1928.	Dec. 29	New York	H. H. Donaldson,	"
47.	1930.	Jan. 1	Des Moines	G. H. Parker,	"
48.	1931.	Jan. 1	Cleveland	A. F. Blakeslee,	"
49.	1931.	Dec. 30	New Orleans	S. J. Holmes,	"
50.	1932.	Dec. 30	Atlantic City	R. A. Gortner,	"
51.	1933.	Dec. 30	Boston	B. E. Livingston,	"
52.	1934.	Dec. 29	Pittsburgh	A. F. Shull,	"
53.	1936.	Jan. 2	St. Louis	John C. Merriam,	"
54.	1936.	Dec. 31	Atlantic City	C. E. Allen,	"
55.	1937.	Dec. 30	Indianapolis	D. H. Tennent,	"
56.	1938.	Dec. 30	Richmond	R. M. Yerkes,	"
57.	1939.	Dec. 30	Columbus	I. F. Lewis,	"
58.	1941.	Jan. 1	Philadelphia	J. H. Bodine,	"
59.	1941.	Dec. 30	Dallas	W. W. Cort,	"
60.	1942.		No Meeting	R. E. Cleland,	"
61.	1943.		No Meeting	H. J. Muller,	"
62.	1944.	Sept. 14	Cleveland	Fay-Cooper Cole,	"
63.	1945.	Mar. 30, 1946	St. Louis	Edmund W. Sinnott,	"
64.	1946.	Dec. 31	Boston	Charles W. Metz,	"
65.	1947.	Dec. 31	Chicago	K. S. Lashley,	"
66.	1948.	Sept. 13	Washington, D.C.	P. R. Burkholder,	"
67.	1949.	Dec. 29	New York	T. M. Sonneborn,	"
68.	1950.	Sept. 13	Columbus	Th. Dobzhansky,	"
69.	1951.	Sept. 12	Minneapolis	P. C. Mangelsdorf,	"
70.	1952.	Sept. 10	Ithaca	Sewall Wright,	"
71.	1953.	Dec. 28	Boston	L. J. Stadler,	"
72.	1954.	Sept. 7	Gainesville	M. Demerec,	"
73.	1955.	Sept. 7	East Lansing	K. V. Thimann	

VICE-PRESIDENTS

H. Newell Martin, 1883-85
Alpheus S. Packard, 1883-84
Edward D. Cope, 1885-87
Harrison Allen, 1885-86
George L. Goodale, 1886-88
H. S. Williams, 1887-89, 1898, 1900
Henry F. Osborn, 1888-89
G. Brown Goode, 1889
Samuel F. Clarke, 1890-93
William North Rice, 1890
R. Ramsey Wright, 1890
T. Wesley Mills, 1891
Charles O. Whitman, 1891, 1895-96
George Baur, 1892-93
William H. Dall, 1892-94
William Libbey, 1893-95
Sidney I. Smith, 1894
William G. Farlow, 1895-96
Theodore Gill, 1896
Henry P. Bowditch, 1897
Edmund B. Wilson, 1897
William P. Wilson, 1897
William James, 1898
Simon H. Gage, 1898
Hermon C. Bumpus, 1899
William H. Howell, 1899, 1909
Frederic H. Gerrish, 1899
Roland Thaxter, 1900
Franklin P. Mall, 1900
Leland O. Howard, 1901-02
Lucien M. Underwood, 1901
J. Walter Fewkes, 1901
Charles D. Walcott, 1902
David P. Penhallow, 1902, 1907
Franz Boas, 1903-04
John M. Coulter, 1903-04
Charles B. Davenport, 1906
Henry H. Donaldson, 1906
Thomas H. Morgan, 1908
Robert A. Harper, 1908-09
Herbert S. Jennings, 1910
George H. Shull, 1911
Ross G. Harrison, 1912
Edward M. East, 1913
Frank R. Lillie, 1914
Rollins A. Emerson, 1915
Albert F. Blakeslee, 1916
Leon J. Cole, 1917
Guy N. Collins, 1918
John H. Gerould, 1919
Bradley M. Davis, 1920
Henry E. Crampton, 1921
A. H. Sturtevant, 1922
Lorande Loss Woodruff, 1923
Lester W. Sharp, 1924
Warren H. Lewis, 1925
John A. Detlefsen, 1926
Donald F. Jones, 1927
Benjamin M. Duggar, 1928
A. Franklin Shull, 1929
Charles Zeleny, 1930
E. J. Kraus, 1931
H. J. Muller, 1932
E. V. Cowdry, 1933
E. B. Babcock, 1934
F. E. Lutz, 1935
Wm. K. Gregory, 1936
Ivey F. Lewis, 1937
J. H. Bodine, 1938
W. H. Taliaferro, 1939
Karl Sax, 1940
L. H. Snyder, 1941
L. C. Dunn, 1942
B. M. Duggar, 1943
Charles W. Metz, 1944
Karl S. Lashley, 1945
Herman A. Spoehr, 1946
M. Demerec, 1947
T. M. Sonneborn, 1948
K. V. Thimann, 1949
Harold H. Plough, 1950
B. F. Kaufmann, 1951
C. B. Van Niel, 1952
Alexander Hollaender, 1953
Ralph W. Chaney, 1954
E. G. Butler, 1955

SECRETARIES

Samuel F. Clarke, 1883, 1886-88
Charles Sedgwick Minot, 1884-85
Henry H. Donaldson, 1889-91
Thomas H. Morgan, 1892-93, 1899
William A. Setchell, 1894
Hermon C. Bumpus, 1895-98
Albert D. Mead, 1900-01
Ross G. Harrison, 1902-03
Charles B. Davenport, 1904-05
William E. Castle, 1906
William J. Moenkhaus, 1906
Edward L. Thorndike, 1907
Thomas G. Lee, 1907-09
Henry McE. Knower, 1908-09
Charles R. Stockard, 1910-11
Aaron L. Treadwell, 1912
Bradley M. Davis, 1913-19
A. Franklin Shull, 1920-26
Leon J. Cole, 1927-31
E. W. Lindstrom, 1932-34
A. M. Banta, 1935-37
Ralph E. Cleland, 1938-40
Alfred C. Kinsey, 1941-43
Wm. Randolph Taylor, 1944-46
W. S. Stone, 1947-49
Bentley Glass, 1950-52
Warren P. Spencer, 1953-1955

TREASURERS

William B. Scott, 1883-84
Charles A. Ashburner, 1885-86
William T. Sedgwick, 1887-93
Edward G. Gardiner, 1894-95
John B. Smith, 1896-99
Maynard M. Metcalf, 1900-02
Bashford Dean, 1903
Hermann Von Schrenk, 1904-09
Edward M. East, 1910-11
William E. Kellicott, 1912
J. Arthur Harris, 1913-25
Edmund W. Sinnott, 1926-28
Sewell Wright, 1929-32
M. Demerec, 1933-35
R. A. Brink, 1936-38
H. H. Plough, 1939-41
W. R. Irwin, 1942-44
T. M. Sonneborn, 1945-47
D. P. Costello, 1948-50
D. F. Poulson, 1951-53
Carl P. Swanson, 1954-1956

THE ORIGINAL CALL

The following is a copy of the original call for the first meeting, which was issued by Professor Samuel F. Clarke, of Williamstown, in March, 1883:

A number of American workers in Biology, desiring to have established an association of American naturalists for business purposes, extend to you a cordial invitation to join in a movement looking toward that end.

The intention is to have an annual meeting, for the purpose of discussing topics of common interest, for which, at present, no opportunity is afforded; as, for example, museum interests, in connection with which each museum director could indicate his plan of work, the special group of which he was making exhaustive collections, so that work may not be uselessly duplicated in many places; methods of museum work; methods of exhibition, etc.; methods of laboratory work; laboratory technique; new and valuable points in staining, mounting, cutting, and preserving of sections; systems of instruction in various departments of natural science; methods with small elective classes; with large college classes; the position which the observational sciences should hold in the college curriculum; the amount of natural science which should appear in college entrance examinations; the amount and character of such instruction in preparatory school, etc.

It is further believed that such a society could materially influence for the better the cause of science in America; that it would have a very healthful general effect, and could exert a strong influence in many directions where at present it seems to be very much needed. It is proposed to have the first meeting, which will be preliminary to organization, and, therefore, of prime importance, at Springfield, Mass., in the Springfield High School Hall, Friday, April 10.

The following gentlemen are interested in the enterprise, and nearly all of them will be among those present: [the names are J. M. Tyler, A. Hyatt, C. S. Minot, A. S. Packard, Jr., S. H. Scudder, H. N. Martin, W. T. Sedgwick, G. Macloskie, W. Libbey, H. F. Osborn, W. B. Scott, W. N. Rice, S. I. Smith, S. F. Clarke (secretary)].

THE CONSTITUTION

ARTICLE I

Name and Objects

Section 1. This association shall be known as the American Society of Naturalists.

Section 2. The object of this Society shall be the association of working naturalists for the discussion, advancement and diffusion of knowledge concerning the broader biological problems, including organic evolution, thus serving to correlate the various biological sciences into a common philosophy of biology.

ARTICLE II

Members

Section 1. Membership in the Society shall be limited to persons professionally engaged in some branch of natural history, as, instructors in natural history, officers of museums and other scientific institutions, physicians, and others, who have essentially promoted the natural history sciences by original contributions of any kind. Any member may present to the executive committee of the Society, through the secretary, names of candidates for membership and those candidates who are approved by the committee may be elected to membership in the Society by a majority of the members present at any meeting of the Society. The names of candidates not elected to membership within three years of the date of consideration shall be removed from the list of nominees unless renominated.

Section 2. Each active member shall pay to the treasurer of the Society annual dues of the amount provided in the By-Laws, and considered due on January first of each year. The name of any member two years in arrears for annual assessments shall be erased from the list of the Society, and such person can only regain membership by re-election.

Section 3. Honorary members, exempt from the payment of dues, may be elected upon the recommendation of the executive committee by a two-thirds vote of the members present at any meeting of the Society. The number of honorary members is limited to ten. Emeritus members, upon retirement from their professional posts, are exempt from dues.

ARTICLE III

Officers

Section 1. The officers of the Society shall be a president, a vice-president, a secretary and a treasurer. These, together with the three most recent past-presidents and the retiring vice-president, shall constitute the executive committee of the Society.

Section 2. The president and vice-president shall be elected for a term of one year, the secretary and treasurer for a term of three years. Each president on retirement shall serve on the executive committee for three years. Each vice-president and secretary on retirement shall serve on the executive committee for one year. The election of officers shall take place at the annual meeting of the Society, and their official terms shall begin on the following January first. They shall continue in office until new officers are installed. In case the annual meeting is postponed to a date subsequent to January first of the next year, the terms of the new officers shall begin immediately upon election.

Section 3. The officers named in Section 1 shall discharge the duties usually assigned to these respective officers. The executive committee shall recommend

to the Society from time to time such measures as they may deem expedient for the purposes of the Society, besides discharging the specific duties assigned to them by this constitution.

Section 4. Vacancies in the board of officers, occurring by death, resignation, or otherwise, may be filled by election by ballot at any meeting of the Society. A vacancy in the secretaryship or treasurership occurring in the interval of the meetings of the Society may be filled by appointment by the executive committee; but the person so appointed shall hold office only until the next meeting of the Society.

ARTICLE IV

Meetings

Section 1. The annual meeting shall be held during convocation week, unless otherwise ordered by the executive committee.

Section 2. Special meetings may be appointed at any time by a vote of the Society or of the executive committee.

Section 3. Sections of the Society may be organized in any locality, with the approval of the Society in each case, by ten or more members for the purpose of holding meetings for the presentation of scientific papers. Such sections shall have the right to elect their own officers and associate members, but associate membership in any section shall not confer membership in the Society.

ARTICLE V

Quorum

Fifteen members shall constitute a quorum of the Society, and three a quorum of the executive committee.

ARTICLE VI

Accounts

A committee shall be appointed at each annual meeting to audit the accounts of the treasurer for the year closing with that meeting.

ARTICLE VII

Affiliated Societies

The Society may affiliate with other scientific organizations.

ARTICLE VIII

By-Laws

Section 1. By-laws recommended by the executive committee may be adopted at any meeting by a majority vote.

Section 2. By-laws may be repealed at any meeting upon recommendation of the executive committee, by a majority vote.

ARTICLE IX

Amendments

Amendments to the constitution, recommended by the executive committee, may be adopted at any annual meeting by a vote of two-thirds of the members present.

BY-LAWS

1. The programs shall be arranged by the vice-president in consultation with the president and the secretary.

2. Each president on retiring shall appoint a nominating committee of three members, including a chairman, for officers to be elected at the next annual meeting. The retiring president and the secretary shall be ex-officio members of this committee.

3. The Executive Committee shall be empowered to appoint an Editor for *The American Naturalist*, to serve for a five year term. The Executive Committee, in consultation with the Editor, shall appoint an Editorial Board to advise the Editor in matters of policy. Each member of the Editorial Board shall serve for a term of three years.

4. In return for $3.50 per individual subscription, the Science Press will provide an annual subscription to *The American Naturalist* for each active member not in arrears for dues; and also for each emeritus member who elects to subscribe for $3.50 per annum.

5. The Records of the Society shall be published once every three years beginning in 1914. The Records shall contain the constitution and by-laws of the Society, the minutes of all meetings held within the period covered, the treasurer's reports and a full list of members of the Society.

6. The Society shall reimburse the secretary for traveling and hotel expenses incurred in attending the annual meeting.

7. Active members shall pay dues of $5.00, which shall include a subscription to *The American Naturalist*. Emeritus members may receive the journal upon payment of $3.50 annually.

In the library of the Wistar Institute of Philadelphia will be found a complete set of the Records of the American Society of Naturalists together with printed announcements, programs, and reports, and also certain correspondence of historical interest. This matter, the property of the Society, is cared for through the courtesy of the Wistar Institute.

Official Publications of the Society

RECORDS

Volume I.	Parts 1-12.	1884-1895.
Volume II.	Parts 1-10.	1896-1911.
Volume III.	Parts 1-6.	1912-1931.
Volume IV.	Part 1.	1932-1934.
Volume IV.	Part 2.	1935-1937.
Volume IV.	Part 3.	1938-1940.
Volume IV.	Part 4.	1941-1943.
Volume IV.	Part 5.	1944-1946.
Volume IV.	Part 6.	1947-1949.

THE AMERICAN NATURALIST

Volume LXXXV	Nos. 820-825	1951.
Volume LXXXVI	Nos. 826-831	1952.
Volume LXXXVII	Nos. 832-	1953.
	(including Records, V, Part 1)	

THE AMERICAN NATURALIST

Volume LXXXVIII	Nos. 838-843	1954.
Volume LXXXIX	Nos. 844-849	1955.
Volume XC	Nos. 850-	
	(including Records, V, Part 2)	

MEMBERSHIP LIST

The date indicates the meeting at which the member was elected; thus 1929 denotes the meeting for the year 1929, although that meeting was actually held on January 1, 1930.

HONORARY MEMBERS

DUGGAR, BENJAMIN M., Ph.D., Sc.D. (hon.), LL.D., Lederle Lab., Pearl River, N. Y. 1915.

GOLDSCHMIDT, RICHARD B., Ph.D., M.D., Sc.D., Professor Emeritus of Zoology, *University of California*, Berkeley 4, Calif. 1914.

HARRISON, ROSS G., Ph.D., Sc.D., LL.D., Professor Emeritus of Biology, Osborn Zoological Lab., *Yale University*, New Haven 11, Conn. 1893.

PATTERSON, JOHN THOMAS, Ph.D., D.Sc. (hon.), Professor Emeritus of Zoology, *University of Texas*, Austin 12, Tex. 1919.

PAYNE, FERNANDUS, Ph.D., Sc.D. (hon.), LL.D., Professor Emeritus of Zoology, *Indiana University*, Bloomington, Ind. 1911.

SHULL, A. FRANKLIN, Ph.D., Professor Emeritus of Zoology, *University of Michigan*, 431 Highland Road, Ann Arbor, Mich. 1911.

WRIGHT, SEWALL, Sc.D., Sc.D. (hon.), LL.D., L. J. Cole Professor of Genetics, *University of Wisconsin*, Madison 6, Wis. 1915.

EMERITUS MEMBERS

ABRAMS, LEROY R., Ph.D., Professor of Botany, Emeritus, 653 Cabrillo, *Stanford University*, Calif. 1943.

ACKERT, JAMES E., Ph.D., Emeritus Dean, Graduate School, *Kansas State College*, Manhattan, Kan. 1931.

ADAMS, CHARLES C., Ph.D., Sc.D., Retired Director, *New York State Museum*, 149 Manning Blvd., Albany 3, N.Y. 1904.

ADDISON, WILLIAM H. F., M.D., 286 East Sidney Ave., Mount Vernon N.Y. 1920.

ALLARD, H. A., B.S., 3000 7th St., North, Arlington, Va. 1931.

ALLEN, ARTHUR A., Ph.D., Dept. of Conservation, *Cornell University*, Ithaca, N.Y. 1934.

ANDREWS, ETHAN A., Ph.D., Professor Emeritus, Dept. of Biology, *Johns Hopkins University*, Baltimore, Md. 1888.

APPLEMAN, CHARLES O., Ph.D., Emeritus Dean, Graduate School, *University of Maryland*, College Park, Md. 1925.

BAILEY, C. H., Ph.D., Dept. of Agriculture, *University of Minnesota*, University Farm, St. Paul, Minn. 1933.

BAILEY, IRVING W., M.F., D.Sc., Herbarium, 22 Divinity Ave., *Harvard University*, Cambridge 38, Mass. 1913.

BAITSELL, GEORGE A., Ph.D., Professor Emeritus of Biology, Osborn Zoological Laboratory, *Yale University*, New Haven, Conn. 1915.

BARSS, HOWARD P., S.M., Office of Experiment Stations, U.S. Dept. of Agriculture, Washington 25, D.C. 1936.

BARTLETT, HARLEY HARRIS, A.B., Dept. of Botany, *University of Michigan*, Ann Arbor, Mich. 1913.

BARTSCH, PAUL, Ph.D., D.Sc., Professor Emeritus, *George Washington University*, 'Lebanon', Lorton, Va. 1931.

BEAL, JOHN M., Ph.D., Professor Emeritus of Botany, *University of Chicago*, Chicago 37, Ill. 1939.

BEEBE, WILLIAM, Sc.D., LL.D., New York Zoological Park, New York 60, N.Y. 1946.

BENNETT, JAMES PERCY, Ph.D., Professor Emeritus of Plant Physiology, 151 Hilgard Hall, *University of California*, Berkeley, Calif. 1943.

BESSEY, ERNST A., Ph.D., Professor Emeritus of Botany, *Michigan State College*, East Lansing, Mich. 1931.

BIGELOW, HENRY B., Ph.D., Museum of Comparative Zoology, *Harvard University*, Cambridge, Mass. 1910.

BORING, ALICE M., Ph.D., Professor Emeritus of Biology, *Yenching University*, China, 44 Martin St., Cambridge 38, Mass. 1911.

BRADLEY, JAMES C., Ph.D., Professor Emeritus of Entomology, *Cornell University*, Ithaca, N.Y. 1910.

BROWNE, WILLIAM WARD, Ph.D., Dept. of Bacteriology, *College of City of New York*, 139th St. and Convent Ave., New York, N.Y. 1914.

BRUES, CHARLES THOMAS, M.S., A.M., Professor Emeritus of Entomology, Biological Laboratories, *Harvard University*, Cambridge, Mass. 1913.

BUCHANAN, R. E., Ph.D., Emeritus Dean of Graduate College, *Iowa State College*, 503 Welch Ave., Ames, Iowa. 1932.

CALVERT, PHILIP P., Ph.D., Professor Emeritus of Zoology, *University of Pennsylvania*, P. O. Box 14, Cheyney, Pa. 1913.

CARLSON, ANTON J., Ph.D., M.D., D.Sc., Professor Emeritus of Physiology, *University of Chicago*, Chicago, Ill. 1931.

CAROTHERS, E. ELEANOR, Ph.D., 134 Ave. C, East, Kingman, Kan. 1916.

CHAMBERLIN, RALPH V., Ph.D., Sc.D., Professor Emeritus of Zoology, *University of Utah*, Salt Lake City, Utah. 1914.

CHAMBERS, ROBERT, Ph.D., LL.D., Dept. of Biology, *Washington Square College*, New York University, 425 Riverside Drive, New York, N.Y. 1910.

CHANDLER, W. H., Ph.D., Professor Emeritus of Horticulture, *University of California*, 341 South Almont Drive, Beverly Hills, Calif. 1927.

COE, WESLEY R., Ph.D., Professor Emeritus of Biology, *Yale University*, 183 Third Ave., Chula Vista, Calif. 1893.

COKER, ROBERT E., Ph.D., Professor Emeritus of Zoology, *University of North Carolina*, Chapel Hill, N.C. 1929.

COLLINS, J. L., Ph.D., Retired Geneticist, *Pineapple Research Institute of Hawaii*, R. D. 1, Box 369, Alpine, Calif. 1934.

COLTON, HAROLD SELLERS, Ph.D., Professor Emeritus of Zoology, *University of Pennsylvania*, Box 601, Flagstaff, Ariz. 1910.

CONARD, HENRY S., Ph.D., Professor Emeritus of Botany, *Grinnell College*, Grinnell, Iowa, Lake Hamilton, Fla. 1932.

COONS, G. H., Ph.D., Div. of Sugar Plant Investigations, BPI Station, Beltsville, Md. 1937.

CONN, HAROLD J., Ph.D., *New York State Agricultural Experiment Station*, Geneva, N.Y. 1934.

COOPER, WILLIAM S., Ph.D., Sc.D., Professor Emeritus of Botany, *University of Minnesota*, 1421 Bluebell Ave., Boulder, Colo. 1936.

CORT, W. W., Ph.D., School of Public Health, *University of North Carolina*, Chapel Hill, N.C. 1924.

COWDRY, E. V., Ph.D., Director Wernse Cancer Research Lab., *Washington University School of Medicine*, St. Louis 10, Mo. 1925.

CRAMPTON, HENRY E., Ph.D., Sc.D., Professor Emeritus of Zoology, *Columbia University*, American Museum of Natural History, New York, N.Y. 1896.

CURTIS, MAYNIE ROSE, Ph.D., Cancer Research Lab., *University of Miami*, Coral Gables 46, Fla. 1914.

CURTIS, WINTERTON C., Ph.D., Professor Emeritus of Zoology, *University of Missouri*, 210 Westmount Ave., Columbia, Mo. 1904.

DANFORTH, CHARLES H., Ph.D., Sc.D., Professor Emeritus of Anatomy, *Stanford University*, Calif. 1930.

DENNY, F. E., Ph.D., Plant Physiologist Retired, *Boyce Thompson Institute*; 1013 Locust St., N. E. St. Petersburg, Fla. 1932.

DODGE, BERNARD O., Ph.D., *New York Botanical Garden*, New York, N.Y. 1928.

DORSEY, MAXWELL J., Ph.D., Dept. of Horticulture, *University of Illinois*, 1502, South Lincoln Ave., Urbana, Ill. 1931.

EAMES, ARTHUR J., Ph.D., Professor Emeritus of Botany, *New York State College of Agriculture*, *Cornell University*, Ithaca, N.Y. 1922.

EDWARDS, DAYTON J., Ph.D., Professor Emeritus of Physiology, *Cornell Medical College*, 1300 York Ave., New York, N.Y. 1914.

EHLERS, JOHN H., Ph.D., Biologic Station, *University of Michigan*, Ann Arbor, Mich. 1936.

EVANS, ALEXANDER W., Ph.D., Professor Emeritus of Botany, *Yale University*, 180 Livingston St., New Haven, Conn. 1893.

EYSTER, WILLIAM H., Ph.D., 235 Harrison St., Emmaus, Pa. 1932.

FAULL, JOSEPH H., Ph.D., Professor Emeritus of Forest Pathology, Arnold Arboretum, 72 Fresh Pond Lane, Cambridge 38, Mass. 1929.

FIELD, WILLIAM L. W., A.M., Head Master Emeritus, *Milton Academy*, Milton, Mass. 1910.

GARBER, RALPH J., Ph.D., U.S. Regional Pasture Research Lab., U.S.D.A., State College, Pa. 1928.

GARNER, W. W., Ph.D., Bureau of Plant Industry, U.S.D.A., 1367 Parkwood Place N. W., Washington 10, D.C. 1922.

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REPORTS OF THE SECRETARY, TREASURER, AND EDITOR FOR 1955

Published in *The American Naturalist*, Vol. XC, 139–142. 1956.

RECENT SYMPOSIUM TITLES AND SPEAKERS

1933—Boston. Semi-Centennial Celebration. *Biology and Society*
W. M. Wheeler, E. A. Hooton, F. H. Hankins

1934—Pittsburgh. *Cytogenetic Evolutionary Processes and Their Bearing on Evolution Theory*
R. A. Brink, M. Demerec, C. L. Fenton

1935—St. Louis. *Early Man in America with Particular Reference to the Southwestern United States*
Edgar B. Howard, Chester Stock, Ernst Antevs, Frank H. H. Roberts, Paul MacClintock, E. H. Sellards

1936—Atlantic City. *Supra-Specific Variation in Nature and in Classification*
Alfred C. Kinsey, Edgar Anderson, George Gaylord Simpson, William K. Gregory

1937—Indianapolis. *The Nature of Protoplasm*
W. M. Stanley, S. C. Brooks, Robert Chambers

1938—Richmond. *Contributions of the Higher Animals to an Understanding of Human Biology*
G. K. Noble, C. C. Little, Carl G. Hartman

1939—Columbus. *Defense Mechanisms in Plants and Animals*
F. W. Went, W. C. Price, William Bloom

1940—Philadelphia. *Experimental Control of Differentiation and Development*
A. F. Blakeslee, G. W. Beadle and E. L. Tatum, K. V. Thimann, B. H. Willier

1941—Dallas. *Human Genetics*
L. H. Snyder, H. H. Strandskov, C. W. Cotterman, Lionel S. Penrose

1944—Cleveland. *Biology and Human Progress*
Charles V. Taylor, Edmund W. Sinnott and Robert Chambers

1946—St. Louis. *Recent Advances in the Dynamics of Behavior*
R. Lorente de Nó, M.D., Hudson Hoagland, Curt P. Richter and Carney Landis

1946—Boston. *Genetic Aspects of Natural Populations*
Th. Dobzhansky, Carl Epling, Jens Clausen

1947—Chicago. *Genetics of Microorganisms*
W. M. Stanley and C. A. Knight, S. E. Luria, M. Demerec, B. McClintock and J. R. Singleton, E. C. Stakman, G. W. Keitt

1948—Washington, D.C. *Immunology in Biological Research*
Felix Haurowitz, William C. Boyd, M. R. Irwin

1949—New York. *Reproduction in Plants*
M. W. Parker and H. A. Borthwick, B. Esther Struckmeyer, F. G. Gustafson, F. W. Went

1950—Columbus. *Golden Jubilee Program: Genetics, the First Fifty Years*
Richard Goldschmidt; Conway Zirkle, W. E. Castle, H. J. Muller; A. H. Sturtevant, L. J. Stadler; Hugo Iltis; L. H. Snyder; A. E. Mirsky, T. Caspersson, Jack Schultz, M. R. Irwin; G. W. Beadle; Boris Ephrussi; Joshua Lederberg, T. M. Sonneborn; Th. Dobzhansky; M. J. D. White, C. D. Darlington; J. W. Gowen, C. C. Little; Arne Müntzing, P. C. Mangelsdorf, J. C. Walker, J. L. Lush; Julian Huxley

1951—Minneapolis. *Patterns of Cellular Organization.*
Thomas F. Anderson, Keith R. Porter, Daniel Mazia, John T. Bonner

1951—Philadelphia. *Use of Statistical Models to Interpret Data on Human Population Genetics*
C. C. Li, J. V. Neel, Bentley Glass, J. N. Spuhler and D. J. Hager, Howard Levene

1952—Ithaca. *Biochemical Evolution*
Harold F. Blum, Urless N. Lanham, Sam Granick, Marcel Florkin.

1953—Boston. *Some Biological Effects of Radiation from Nuclear Detonations*
Alan D. Conger; E. B. Lewis; George H. Mickey; Robert Carter, V. P. Bond, James T. Brennan, and E. P. Cronkite; William L. Russell

1954—Gainesville. *The Origin of the Biota of Middle America*
Aaron J. Sharp; Paul S. Martin; Pierce Brodkorb; Coleman J. Goin

1955—East Lansing. *Modern Approaches to Problems of Differentiation*
Tracy M. Sonneborn; John P. Trinkaus; Armin C. Braun; William P. Jacobs

PRESIDENTIAL ADDRESSES AT THE MORE RECENT MEETINGS OF THE AMERICAN SOCIETY OF NATURALISTS

Meeting	*Date*	*Place*	*President*
51st	Dec. 30, 1933	Boston	B. E. Livingston
	Semi-Centennial Anniversary. *Environments*		
52nd	Dec. 29, 1934	Pittsburgh	A. F. Shull
	Weismann and Haeckel: One Hundred Years		
53rd	Jan. 2, 1936	St. Louis	John C. Merriam
	The Extent and Rate of Human Evolution—The Asking of Critical Questions		
54th	Dec. 31, 1936	Atlantic City	C. E. Allen
	Haploid and Diploid Generations		
55th	Dec. 30, 1937	Indianapolis	D. H. Tennent
	Some Problems in the Study of Photosensitization		
56th	Dec. 30, 1938	Richmond	Robert M. Yerkes
	The Life-History and Personality of the Chimpanzee		
57th	Dec. 30, 1939	Columbus	Ivey F. Lewis
	Cell Reactions		
58th	Jan. 1, 1941	Philadelphia	J. H. Bodine
	The Cell—Some Aspects of Its Functional Ontogeny		
59th	Dec. 31, 1941	Dallas	W. W. Cort
	Human Factors in Parasite Ecology		
60th	Sept. 14, 1944	Cleveland	Fay-Cooper Cole
	Some Problems of Human Racial Development and Migration		
61st	Mar. 30, 1946	St. Louis	Edmund W. Sinnott
	Substance or System, the Riddle of Morphogenesis		
62nd	Dec. 28, 1946	Boston	C. W. Metz
	Duplication of Chromosome Parts as a Factor in Evolution		
63rd	Dec. 29, 1947	Chicago	K. S. Lashley
	Persistent Problems in the Evolution of Mind		
64th	Sept. 11, 1948	Washington, D.C.	P. R. Burkholder
	Studies in the Nutrition of Plants with Pure Culture Techniques		
65th	Dec. 29, 1949		T. M. Sonneborn
	Heredity, Environment, and Politics		
66th	Sept. 13, 1950		Th. Dobzhansky
	Evolutionary Changes in Mendelian Populations		
67th	Sept. 11, 1951		Paul C. Mangelsdorf
	Evolution Under Domestication		
68th	Sept. 9, 1952		Sewall Wright
	Gene and Organism		
69th	Dec. 30, 1953	Boston	L. J. Stadler
	The Gene		
70th	Sept. 7, 1954	Gainesville, Fla.	M. Demerec
	What is a Gene?—Twenty Years Later		
71st	Sept. 7, 1955	East Lansing, Mich.	K. V. Thimann
	Promotion and Inhibition: Twin Themes of Physiology		